

DEC 2 1962

TOP SECRET

(OUT-50296)

TOP SECRET

PRIORITY

0296

PRIORITY

CORONA

ATTENTION

1. IT IS REQUESTED THAT SUBJECT OF BINARY CLOCK MALFUNCTIONS BE INCLUDED ON THE AGENDA FOR THE SETD MEETING OF 5 DECEMBER.

2. OUTLINED BELOW IS A SUMMARY OF BINARY CLOCK MALFUNCTIONS AND INCLUDING [REDACTED] OUTGOING CABLES DISCUSSING EACH SPECIFIC MISSION:

MISSION 9047

(1) LIGHT NO 18 FAILED THROUGHOUT THE MISSION ON THE FORWARD CAMERA^A CAUSING GROSS ERRORS OF 131.072 SECONDS IN APPROXIMATELY ONE-HALF THE FRAMES.

(2) LIGHTS NO 13 AND 14 WERE APPARENTLY CROSS WIRED CAUSING CONSISTENT ERRORS OF 4.096 SECONDS IN APPROXIMATELY ONE-HALF THE FRAMES ON THE FORWARD CAMERA.

(3.) THE DENSITY OF THE LIGHTS WAS GOOD FOR READING AND REMAINED CONSTANT.

(4) REFERENCE CABLE [REDACTED] 0243)

MISSION 9045

THE BINARY CLOCK MALFUNCTIONED AT NUMEROUS TIMES AS REPORTED

TOP SECRET

hfo
cs
ll
CFC
DSP
AZL

1962 DEC 1 20 12Z

GROUP 1
Excluded from automatic
downgrading and
declassification

25X1

25X1

25X1

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25X1

IN CABLES [] 0082 AND 0102. THESE ERRORS WERE GROSS IN NATURE AND
USUALLY INVOLVED MULTIPLE LIGHT ERRORS.

25X1

MISSION 9044

NO MAJOR ERRORS IN THIS MISSION HOWEVER THE DENSITY
DIFFERENCES BETWEEN DIFFERENT LIGHTS MADE IT EXTREMELY DIFFICULT
FOR THE PHOTO READER TO READ THE DATA BLOCKS.

MISSION 9043

THE MAJOR DIFFICULTY HERE ALSO WAS IN THE READING OF THE
DATA BLOCKS WITH DIFFERENT DENSITYS IN THE DIFFERENT BINARY
BIT POSITIONS.

MISSION 9041

(1) LIGHT NO 15 (16.384 SECONDS) FAILED THROUGHOUT ON THE
FORWARD CAMERA.

(2) LIGHT NO 23 (4194.304 SECONDS) FAILED THROUGHOUT ON
THE FORWARD CAMERA.

(3) LIGHT NO 19 (262.144 SECONDS) FAILED THROUGHOUT AFTER
FRAME NO 1 OF PASS A50.

(4) NUMEROUS DENSITY PROBLEMS OUTLINED IN [] OF
12 SEPTEMBER 1962.

25X1

(5) PROBLEMS INVOLVING 9040, 9039, 9038 AND 9037 ARE ALSO
DISCUSSED IN REFERENCE []. THESE PROBLEMS INVOLVE
LIGHT FAILURES, LIGHT DENSITYS, AND CLOCK FAILURES MUCH LIKE
THOSE ABOVE.

25X1

(6) REFERENCE [] OF 12 SEPTEMBER 1962.

25X1

T O P S E C R E T